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NOTICE OF ALLOWANCE AND FEE(S) DUE

002292

7590

06/17/2005

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER

MIS, DAVID C

ART UNIT PAPER NUMBER

2817

DATE MAILED: 06/17/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600 545	06/23/2003	Heon Min Lee	0630 1708P	5755

TITLE OF INVENTION: THIN FILM BULK ACOUSTIC RESONATOR FOR CONTROLLING RESONANCE FREQUENCY AND VOLTAGE CONTROLLED OSCILLATOR USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	09/19/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>Fax</u>	(703) 746-4000		
INSTRUCTIONS: This for appropriate. All further condicated unless corrected maintenance fee notification	rm should be used for tran rrespondence including the I below or directed otherwise ns	smitting the ISSU Patent, advance or in Block 1, by (a	E FEE and PUBLI ders and notification) specifying a new	CATION FEE (if requirement of maintenance fees voorrespondence address	ired). Blocks 1 through 5 s will be mailed to the current ; and/or (b) indicating a sep.	hould be completed where correspondence address as arate "FEE ADDRESS" for
	CE ADDRESS (Note: Use Block 1 for	any change of address)		Note: A certificate of	mailing can only be used f	or domestic mailings of the
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	590 06/17/2005			have its own certificat	e of mailing or transmission.	
	RT KOLASCH & BI	RCH		Cer	rtificate of Mailing or Tran	smission
PO BOX 747 FALLS CHURCH	, VA 22040-0747			States Postal Service addressed to the Mai	nis Fee(s) Transmittal is bein with sufficient postage for fi il Stop ISSUE FEE address TO (703) 746-4000, on the	st class mail in an envelope above, or being facsimile late indicated below.
					- 	(Depositor's name)
						(Signature)
				_		(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVE	NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,545	06/23/2003		Heon Min Lee		0630-1798P	5755
TITLE OF INVENTION: OSCILLATOR USING TH	THIN FILM BULK ACO E SAME	USTIC RESONA	TOR FOR CONT	ROLLING RESONAN	CE FREQUENCY AND V	OLTAGE CONTROLLED
APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE F	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400)	\$300	\$1700	09/19/2005
EXAN	INER	ART UN	IT C	LASS-SUBCLASS]	
MIS, D	AVID C	2817	-	331-10700A	•	
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of or agents OR, alto (2) the name of a registered attorne	single firm (having as a y or agent) and the name attorneys or agents. If	a member a 2es of up to	
PLEASE NOTE: Unless	D RESIDENCE DATA TO BE an assignee is identified be a 37 CFR 3.11. Completion of EE	low, no assignee of this form is NOT	data will appear on a substitute for filin	the patent. If an assign		ocument has been filed for
Please check the appropriate	e assignee category or categor	ries (will not be pri	inted on the patent):	☐ Individual ☐ C	orporation or other private gr	oup entity Government
4a. The following fee(s) are	enclosed:		. Payment of Fee(s):			
Issue Fee	10 de 15 e de		_	mount of the fee(s) is en		
	mall entity discount permitte f Copies			lit card. Form PTO-2038		**
Advance Order - # 01	Copies		Deposit Account No	mber	harge the required fee(s), or enclose an extra c	opy of this form).
	(from status indicated above MALL ENTITY status. See 3		b. Applicant is n	o longer claiming SMA	LL ENTITY status. See 37 C	FR 1.27(g)(2).
The Director of the USPTO NOTE: The Issue Fee and P interest as shown by the reco	is requested to apply the Issu ublication Fee (if required) words of the United States Pate	e Fee and Publicat rill not be accepted nt and Trademark	ion Fee (if any) or to from anyone other Office.	re-apply any previousl han the applicant; a reg	y paid issue fee to the applica istered attorney or agent; or the	ntion identified above. ne assignee or other party in
Authorized Signature				Date		
Typed or printed name			Registration No.			
This collection of informatic an application. Confidential submitting the completed ap	on is required by 37 CFR 1.31 ity is governed by 35 U.S.C. oplication form to the USPTO	1. The information 122 and 37 CFR 1 D. Time will vary	n is required to obtai .14. This collection depending upon the	n or retain a benefit by t is estimated to take 12 individual case. Any co	he public which is to file (an minutes to complete, includir mments on the amount of ti	d by the USPTO to process) ag gathering, preparing, and me you require to complete

this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Operatment of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/600,545	06/23/2003 Heon Min Lee		0630-1798P	5755		
002292 75	90 06/17/2005	EXAMINER				
	RT KOLASCH & BIRCH	MIS, DAVID C				
PO BOX 747 FALLS CHURCH,	PO BOX 747 FALLS CHURCH, VA 22040-0747			PAPER NUMBER		
•			2817			
				DATE MAILED: 06/17/2005		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 72 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 72 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.